

10/533498
Customer No.: 26308

Rec'd PCT/PTO 14 FEB 2006

Docket No. 9501.17985-PCT US

IN THE UNITED STATES DESIGNATED OFFICE (DO/US)

International Application No.: PCT/US03/36057

International Filing Date: 12 November 2003

U.S. Application Serial No.: 10/533,498

Priority Date Claimed: 12 November 2002

Title of Invention: Systems and Methods for Controlling Heat Treating Atmospheres and Processes Based Upon Measurement of Ammonia Concentrate

Applicant for DO/US: Brazianas

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ATTENTION: DO/US

COMPLETION OF FILING REQUIREMENTS
FOR INTERNATIONAL APPLICATION ENTERING NATIONAL
STAGE IN U.S. DESIGNATED OFFICE (DO/US) UNDER 35 U.S.C. 371

(check and complete the following item, if applicable)

[x] This replies to the Notice of Missing Requirements under 35 U.S.C. § 371 and 37 C.F.R. 1.494 (FORM PCT/CO/EO/905).

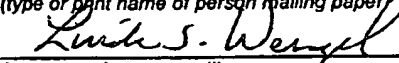
[x] A copy of FORM of PCT/DO/EO/905 accompanies this response.

WARNING: Filing requirements, including translation of the international application, the declaration, the national fee and the payment of all the surcharge(s) in connection with the filing of these items after twenty (20) months from the priority may be met within twenty-two (22) months from the priority date. Failure to comply with these requirements will result in abandonment. The provisions of 37 CFR 1.136 for extensions of time do not apply to the 22 month period. 37 CFR 1.61(b).

NOTE: The completion of the filing requirements within 22 months (instead of 20 months) from the priority date results from the Commissioner exercising his judgment under the authority granted under 35 USC 371(d). The filing receipt will show the actual date of receipt of the last item completing the entry into the national phase. See 37 CFR 1.491 which states: "An international application enters the national stage when the applicant has filed the documents and fees required by 35 USC 371(c) within the periods set forth in § 1.494 and § 1.495."

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Completion of Filing Requirements and the papers indicated as being transmitted therewith is being deposited with the United States Postal Service on this date 14 February 2006
in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 729564546
addressed as follows: Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450

Linda S. Wenzel
(type or print name of person mailing paper)

Signature of person mailing paper

NOTE: Each paper or fee referred to as enclosed herein has the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 CFR 1.16(b).

WARNING: Certificate of mailing (first class) or facsimile transmission procedures of 37 CFR 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

NOTE: Documents and fees must be clearly identified as a submission to enter the national stage under 35 USC 371. Otherwise, the submission will be considered as being made under 35 USC 111.37 CFR 1.494(o).

Customer No. 26308

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Brazianas

Group No.: Unknown

Serial No.: 10/533,498

Examiner: Unknown

Filed: 29 April 2005

For: Systems and Methods for Controlling Heat Treating Atmospheres and Processes Based Upon Measurement of Ammonia Concentrate

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT BY ATTORNEY THAT APPLICATION FILED IN PTO IS THE
ONE INVENTOR(S) EXECUTED BY SIGNING DECLARATION

I, Daniel D. Ryan, Registration No. 29,243, of RYAN KROMHOLZ & MANION
(Customer No. 26308), S.C., P.O. Box 26618, Milwaukee, Wisconsin 53226-0618, {(262) 783-1300}
state I am an attorney for this application and the application identified above is the application which
the inventor(s) executed by signing the declaration which is being submitted herewith.



CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Statement by Attorney and the papers indicated as being transmitted therewith is being deposited with the
United States Postal Service on this date 14 February 2006
in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EV 729564546
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Linda S. Wenzel

(type or print name of person mailing paper)


Signature of person mailing paper

**COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,
CONTINUATION OR CIP)**

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type: (check one applicable item below)

- ☒ original
☐ supplemental

Type of Application: (check one applicable item below)

- ☐ original
☐ design

NOTE: If the declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application do not check next item; check appropriate one of last three items.

- ☒ national stage of PCT

NOTE: If one of the following items apply then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.

- ☐ divisional
☐ continuation
☐ continuation-in-part (CIP)

INVENTORSHIP IDENTIFICATION

WARNING: If the inventors are each not the inventors of all the claims an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

Systems and Methods for Controlling Heat Treating Atmospheres and
Processes Based Upon Measurement of Ammonia Concentrate

SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))

- (a) ☐ is attached hereto.
(b) ☒ was submitted to the U.S. Patent Office on 29 April 2005 as
Serial No. 10/533,498

NOTE: Amendments filed after the original papers are deposited with the PTO which contain new matter are not accorded a filing date by being referred to in the declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.

- (c) ☒ was described and claimed in PCT International Application No. PCT/US03/36057
filed on 12 November 2003.

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56

- [] In compliance with this duty there is attached an information disclosure statement in accordance with 37 CFR 1.98.

PRIORITY CLAIM (35 U.S.C. § 119)

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119(a)-(d)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- (d) [x] no such applications have been filed.
(e) [] such applications have been filed as follows.

NOTE: Where item (c) is entered above and the International Application which designated the U.S. itself claimed priority check item (e), enter the details below and make the priority claim.

COUNTRY (OR INDICATE IF PCT)	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>
			<input type="checkbox"/> YES NO <input type="checkbox"/>

B. CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(35 U.S.C. § 119(e))

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application No.
60/425,530

Filing Date
12 November 2002

**CLAIM FOR BENEFIT OF EARLIER US and/or PCT APPLICATION(S)
UNDER 35 U.S.C. § 120**

- [x] The claim for the benefit of any such applications are set forth in the attached ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR US PRIORITY CLAIM**

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

PCT/US03/36057 12 November 2003

NOTE: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage, or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. S 120.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Daniel D. Ryan (29,243)
John M. Manion (38,957)
Arnold J. Ericson (16,879)
Patrick J. Fleis (55,185)
Melissa S. Hockersmith (56,736)

Joseph A. Kromholz (34,204)
Daniel R. Johnson (46,204)
Laura A. Dable (46,436)
Thomas J. Krumenacher (56,736)

Customer No.: 26308

[] Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

SEND CORRESPONDENCE TO

Daniel D. Ryan
RYAN KROMHOLZ & MANION, S.C.
Post Office Box 26618
Milwaukee, Wisconsin 53226-0618

DIRECT TELEPHONE CALLS TO:

Daniel D. Ryan
PHONE CALLS
(262) 783 - 1300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S)

NOTE: Carefully indicate the family (or last) name as it should appear on the filing receipt and all other documents.

Full name of sole or first inventor

Vytas (GIVEN NAME) _____ (MIDDLE INITIAL OR NAME) _____ Brazunas (FAMILY (OR LAST NAME))
 Inventor's signature _____
 Date Dec 10, 2005 Country of Citizenship US
 Residence (City, State/Country) Milwaukee, Wisconsin / US
 Post Office Address 2530 West Parnell Avenue
Milwaukee, WI 53221

Full name of second joint inventor, if any

_____ (GIVEN NAME) _____ (MIDDLE INITIAL OR NAME) _____ (FAMILY (OR LAST NAME))
 Inventor's signature _____
 Date _____ Country of Citizenship _____
 Residence (City, State/Country) _____
 Post Office Address _____

Full name of third joint inventor, if any

_____ (GIVEN NAME) _____ (MIDDLE INITIAL OR NAME) _____ (FAMILY (OR LAST NAME))
 Inventor's signature _____
 Date _____ Country of Citizenship _____
 Residence (City, State/Country) _____
 Post Office Address _____

Full name of fourth joint inventor, if any

_____ (GIVEN NAME) _____ (MIDDLE INITIAL OR NAME) _____ (FAMILY (OR LAST NAME))
 Inventor's signature _____
 Date _____ Country of Citizenship _____
 Residence (City, State/Country) _____
 Post Office Address _____

Full name of fifth joint inventor, if any

_____ (GIVEN NAME) _____ (MIDDLE INITIAL OR NAME) _____ (FAMILY (OR LAST NAME))
 Inventor's signature _____
 Date _____ Country of Citizenship _____
 Residence (City, State/Country) _____
 Post Office Address _____

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH
FORM A PART OF THIS DECLARATION

- ☐ Signature for sixth and subsequent joint inventors.

- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor.

- ☐ Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47.

- ☒ Added page to combined declaration and power of attorney for US Priority Claim

- ☐ Authorization of attorney(s) to accept and follow instructions from representative

(If no further pages form a part of this declaration then end this declaration with this page and check the following item:)

- ☐ This declaration ends with this page

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR US PRIORITY CLAIM**

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, S 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, S 112, I acknowledge the duty to disclose information that is material to the examination of this application, namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

**PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS
DESIGNATING THE U.S. FOR BENEFIT UNDER 35 USC 120:**

Status
(CHECK ONE)

U.S. APPLICATIONS	U.S. FILING DATE	Patented	Pending	Abandoned
1. _____				
2. _____				
3. _____				

PCT APPLICATIONS DESIGNATING THE U.S.

PCT APPLICATION NO.	PCT FILING DATE	U.S. SERIAL NOS. ASSIGNED (if any)
4. PCT/US03/36057	12 November 2003	
5. _____		
6. _____		

35 USC 119 PRIORITY CLAIM, IF ANY, FOR ABOVE LISTED U.S./PCT APPLICATIONS

**DETAILS OF FOREIGN APPLICATION FROM WHICH PRIORITY APPLICATION
CLAIMED UNDER 35 USC 119**

Country	Application No.	Date of filing (day, month, year)	Date of issue (day, month, year)
1. _____			
2. _____			
3. _____			
4. _____			
5. _____			
6. _____			

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